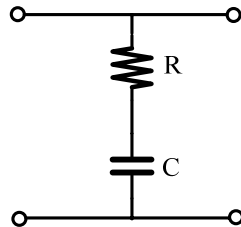


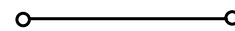
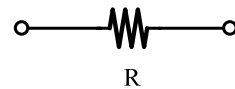
# ECE 2C Homework #1

1. Find  $[Z]$ ,  $[Y]$ , and  $[t]$  parameters for the following 3 two-port networks

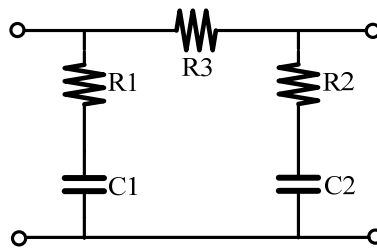
(a) Does  $[Y]$  exist? Why?



(b) Does  $[Z]$  exist? Why?

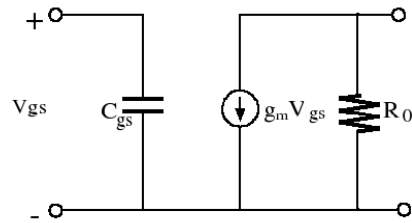


(c)

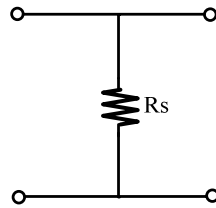


2. Find [h] for the following 3 two-port networks:

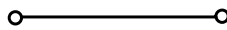
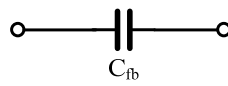
(a)



(b)



(c)



(d) Find [h] of a network by connecting (a) and (b) in series, and then add (c) in parallel.